## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

- (original) A battery separator comprising:
  - a microporous membrane; and
- a coating on at least one surface of said membrane, wherein said coating comprising a mixture of 25-40 weight % polymer and 60-75 weight % surfactant combination, wherein said polymer being cellulose acetate, and said surfactant combination comprising a first surfactant and a second surfactant, said first surfactant having an active ingredient selected from the group consisting of organic ethers, said second surfactant being an oxirane polymer with 2-ethylhexyl dihydrogen phosphate.
- (original) The separator according to Claim 1, wherein said first surfactant and said second surfactant having a 1:1 weight ratio.
- 3. (original) The separator according to Claim 1, wherein said first surfactant and said second surfactant having a 1:3 weight ratio.

- 4. (original) The separator according to Claim 1, wherein said first surfactant and said second surfactant having a 3:1 weight ratio.
- 5. (original) The separator according to Claim 1, wherein said cellulose acetate having about 2.5 acetyl groups per glucose.
- (original) The separator according to Claim 1, wherein said coating being on both surfaces of said membrane.
- 7. (original) The separator according to Claim 6, wherein said coating having a surface density in the range of 0.30 to 0.43  $mg/cm^2$ .
- 8. (original) The separator according to Claim 6, wherein said coating having a surface density in the range of 0.31 to 0.38  $mg/cm^2$ .
- 9. (currently amended) The separator according to Claim 6, wherein said separator being stored for a period not less than 22 days and not exceeding 256 days at  $70\,^{\circ}\text{Ce}$ , and said separator having an electrical resistance of  $\leq$  10 milliohms-inch<sup>2</sup>.

- 10. (currently amended) The separator according to Claim 6, wherein said separator being stored for a period not less than 22 days and not exceeding 256 days at 70°Ce, and said separator having an electrical resistance in the range of 7.7 to 10 milliohms-inch<sup>2</sup>.
- 11. (original) The separator according to Claim 6, wherein said separator being adapted for wetting by an aqueous electrolyte.
- 12. (original) The separator according to Claim 11, wherein said separator being freshly coated, and said separator being wetted within 8 seconds or less.
- 13. (currently amended) The separator according to Claim 11, wherein said separator being stored for a period not less than 22 days and not exceeding 256 days at 70°Ce, and said separator being wetted within 1 second or less.
- 14. (currently amended) The separator according to Claim 11, wherein said separator being stored for a period not less than 22 days and not exceeding 256 days at 70°Ce, and said separator being wetted instantaneously.

- 15. (original) The separator according to 6, wherein said membrane having a thickness of less than 1.5 mils.
- 16. (original) The separator according to Claim 6, said separator having an effective average pore size of less than 0.045 micron.
- 17. (original) A battery having a zinc electrode comprising:
  - a first electrode;
  - a second electrode;
  - an electrolyte; and
- a separator, said separator being disposed between said first electrode and said second electrode and said electrolyte being in communications with said electrodes via said separator;

wherein said separator comprises;

a microporous membrane; and

a coating on at least one surface of said

membrane, wherein said coating comprising a mixture of 25-40

weight % polymer and 60-75 weight % surfactant combination,

wherein said polymer being cellulose acetate, and said surfactant

combination comprising a first surfactant and a second

surfactant, said first surfactant having an active ingredient

selected from the group consisting of organic ethers, said second

surfactant being an oxirane polymer with 2-ethylhexyl dihydrogen phosphate.

- 18. (original) The battery according to Claim 17, wherein said first surfactant and said second surfactant having a 1:1 weight ratio.
- 19. (original) The battery according to Claim 17, wherein said first surfactant and said second surfactant having a 1:3 weight ratio.
- 20. (original) The separator according to Claim 17, wherein said first surfactant and said second surfactant having a 3:1 weight ratio.
- 21. (original) The battery according to Claim 17, wherein said cellulose acetate having about 2.5 acetyl groups per glucose.
- 22. (original) The battery according to Claim 17, wherein said coating being on both surfaces of said membrane.
- 23. (original) The battery according to Claim 22, wherein said coating having a surface density in the range of 0.30 to 0.43 mq/cm $^2$ .

- 24. (original) The battery according to Claim 22, wherein said coating having a surface density in the range of 0.31 to 0.38  $mg/cm^2$ .
- 25. (currently amended) The battery according to Claim 22, wherein said separator being stored for a period not less than 22 days and not exceeding 256 days at  $70\,^{\circ}\text{Ce}$ , and said separator having an electrical resistance of  $\leq$  10 milliohms-inch<sup>2</sup>.
- 26. (currently amended) The battery according to Claim 22, wherein said separator being stored for a period not less than 22 days and not exceeding 256 days at 70°Ce, and said separator having an electrical resistance in a range of 7.7 to 10 milliohms-inch<sup>2</sup>.
- 27. (original) The battery according to Claim 22, wherein said separator being adapted for wetting by an aqueous electrolyte.
- 28. (original) The battery according to Claim 27, wherein said separator being freshly coated, and said separator being wetted within 8 seconds or less.

- 29. (currently amended) The battery according to Claim 27, wherein said separator being stored for a period not less than 22 days and not exceeding 256 days at 70°Ce, and said separator being wetted within 1 second or less.
- 30. (currently amended) The battery according to Claim 27, wherein said separator being stored for a period not less than 22 days and not exceeding 256 days at 70°Ce, and said separator being wetted instantaneously.
- 31. (original) The battery according to Claim 22, wherein said membrane having a thickness of less than 1.5 mils.
- 32. (original) The battery according to Claim 22, said separator having an effective average pore size of less than 0.045 micron.